Abstract

The invention relates to a process for coating a material surface comprising the steps of:
(a) applying to the material surface one or more different comb-type polymers comprising a polymer backbone and side chains pendently attached thereto, wherein at least a part of the side chains carry a triggerable precursor for carbene or nitrene formation; and
(b) fixing the polymer(s) onto the material surface using heat or radiation, in particular radiation such as UV or visible light.
The polymers of the invention are useful for the modification of material surfaces and are particularly suitable for providing biomedical articles such as contact lenses with a hydrophilic coating.